

DERWENT-ACC-NO: 1992-133355

DERWENT-WEEK: 199801

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TITLE: Continuous lapping of flat textiles - using grinding drum while under longitudinal tension and adjusting angle of attack

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	
PAGES MAIN-IPC			
DE 59108876 G D06C 011/00	November 20, 1997	N/A	000
DE 4110232 C N/A	April 23, 1992	N/A	006
EP 505620 A1 D06C 011/00	September 30, 1992	G	008
JP 04300354 A D06C 011/00	October 23, 1992	N/A	005
US 5218747 A D06C 011/00	June 15, 1993	N/A	007
EP 505620 B1 D06C 011/00	October 15, 1997	G	007

DESIGNATED-STATES: BE CH DE ES FR GB IT LI BE CH DE ES FR GB IT
LI

CITED-DOCUMENTS: DE 8707501; US 4463483

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE59108876G December 9, 1991	N/A	1991DE-0508876
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DE 4110232C March 28, 1991	N/A	1991DE-4110232
EP 505620A1 December 9, 1991	N/A	1991EP-0121041
JP04300354A December 24, 1991	N/A	1991JP-0361170
US 5218747A December 13, 1991	N/A	1991US-0808027
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INT-CL_(IPC): D06C011/00		

ABSTRACTED-PUB-NO: DE 4110232C

BASIC-ABSTRACT: A process is for a continuous lapping (grinding with emery) of flat textiles, which are in contact with at least one grinding tool, e.g. a grinding drum, while under longitudinal tension. The angle of attack of the textile is influenced by a contact roll, which is connected to an adjusting component. This component alters the angle of attack automatically in accordance with the friction force acting on the textile.

ADVANTAGE - The process and associated installation are for use by the clothing industry to give a 'peach skin' effect to products made of microfilament polyester yarns for the warp and viscose filament of spinning fibre yarns for the pick. The friction conditions between the textile to be lapped and the grinding tool are kept constant.

ABSTRACTED-PUB-NO: EP 505620B

EQUIVALENT-ABSTRACTS: Process for continuous grinding (sanding) of sheet-like textile fabrics (3) by contacting them while under longitudinal tension with at least one grinding tool (1), for example with a drum coated with an abrasive, the setting angle (alpha) of the fabric (3) being controlled by a jockey roll (4), characterised in that the jockey roll (4) is connected to an actuator (7) which changes the setting angle (alpha) automatically as a function of the friction torque acting on the fabric (3).

US 5218747A

Fabric abrading process involves longitudinally engaging tensioned fabric with at least one grinding tool towards which the fabric is urged by an adjustable roller. A carrier for the roller is movable in response to a regulator which controls the friction force between the grinding tool and the fabric, in the sense to prevent friction force vibrations. Pref. the tool is an abrasive roller.

USE - Used for velvet fabrics prodn.
CHOSEN-DRAWING: Dwg.0/6 Dwg.1/6 Dwg.0/6
DERWENT-CLASS: F07
CPI-CODES: F03-A;

DOCUMENT-IDENTIFIER: US 6179698 B1

TITLE: Self-aligning tool for hands-free cross-sectioning of an integrated circuit

DEPR:

In the illustrated embodiment of the invention milling disk 112 comprises an abrasive surface or film of sandpaper, emery or the like. Suitable milling disks include, but are not limited to, silicon carbide grinding paper, aluminum oxide microfinishing film, lapping film and polishing cloths used in combination with powders such as alumina.